

Product Datasheet

Anti-Synaptotagmin-7 Antibody FL594 Conjugate



Overview

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| Catalog # | 75-265-FL594 |
| Conjugate | FL594 Ex: 594 nm, Em: 615 nm |
| Isotype | IgG2b |
| Clone Number | N275/14 |
| Size | 200 µL |
| Concentration | 0.5 mg/mL |
| Host Species | Mouse Monoclonal |
| Format | Purified by Protein A chromatography |
| Buffer | PBS with 0.09% azide |
| Applications | ICC, IHC |
| Species Reactivity | Mouse and Rat |
| Immunogen | Fusion protein amino acids 150-239 (cytoplasmic C2A domain) of mouse Synaptotagmin-7 (accession number Q9R0N7) produced recombinantly in E. Coli |
| Molecular Weight | 45 kDa (plus others) |
| Cite this Antibody | Antibodies Inc Cat# 75-265-FL594, RRID: AB_2939954 |

Details

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| Target Description | Synaptotagmins are a family of calcium sensing, membrane trafficking proteins. 17 different synaptotagmins have been identified in mammals. Synaptotagmin 7 is highly, ubiquitously expressed in the brain and was originally identified as a Ca ²⁺ sensor for lysosomal exocytosis, but has since been demonstrated to play roles in secretion from many different cell types (MacDougall DD, et al., 2018) |
| Specificity | Does not cross-react with Synaptotagmin-6 (or other Synaptotagmins) |
| Purification Method | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody. |
| Quality Control Tests | Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band. |
| Storage | Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap. |

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